Figure S1. The default parameter values for the CT95 model.
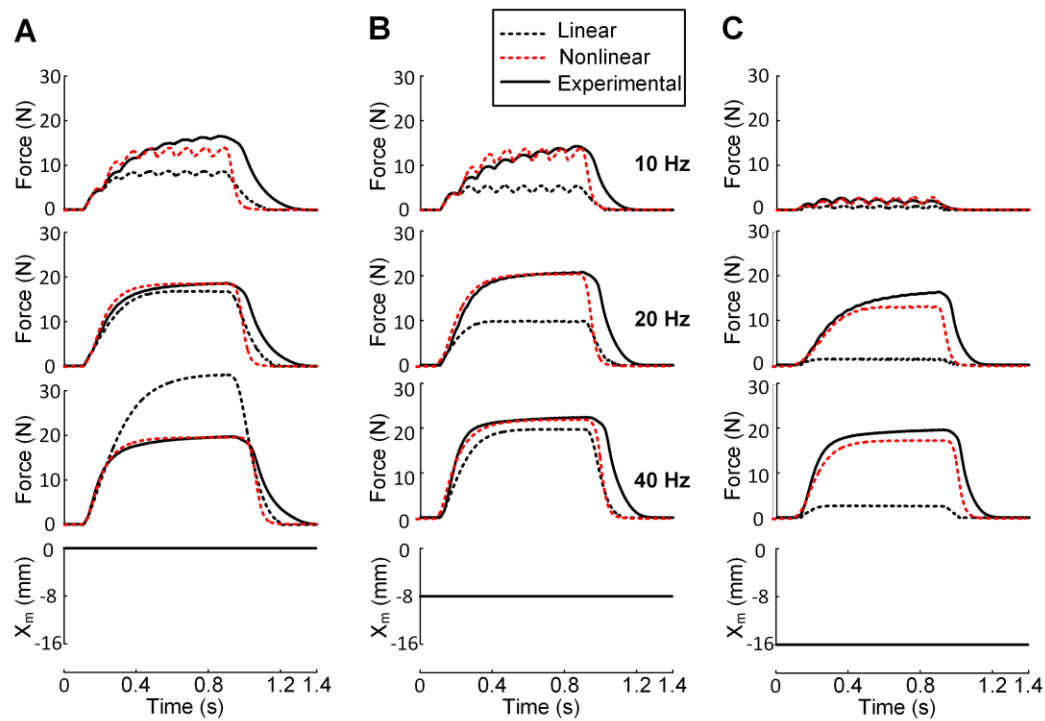
Figure S2. Influence of the nonlinear Ca-force relationship on sub-tetanic responses in the model.

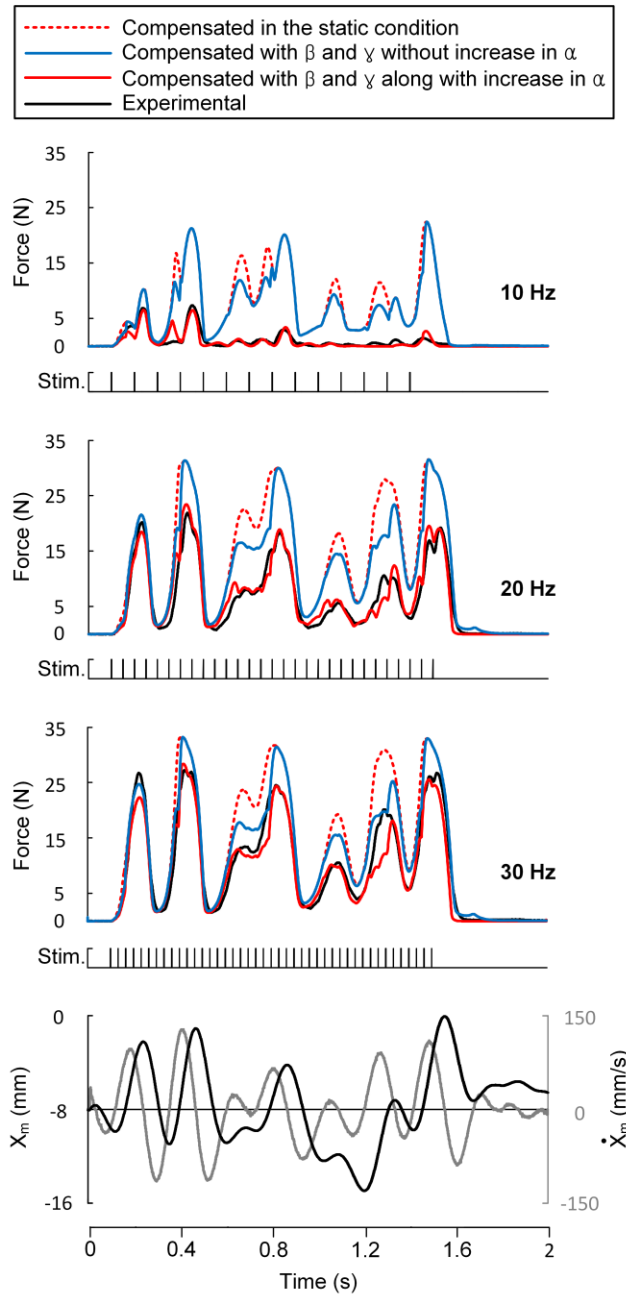**Figure S3.** Effect of α increase on the sub-tetanic responses of the model during movement.